

**The Washington Council of  
County Surveyors  
Presents**



**SURVEY  
CAMP 2007  
January 16 - 19, 2007**

**Ellensburg Washington**

Support and Sponsorship Provided by:

**The County Road Administration Board**

Geoline Positioning Systems  
Kuker- Ranken, Inc.  
PPI Group

**CAMP OBJECTIVES**

Survey Camp is intended to provide city and county public works employees with perspective, knowledge and tools related to the public practice of land surveying.

For the last fifteen years, Survey Camp has brought public works employees together with land surveying professionals and experts in various fields to share what they know and lead discussions about how to apply this knowledge in the attendee's everyday work environment.

**CAMP SCHEDULE**

WCCS is once again proud to have an exceptional group of instructors for the 2007 Survey Camp. The Camp schedule is as follows:

**Tuesday, January 16, 2007**

**8:00 A.M. - 11:00 A.M.      Camp Registration**

**11:00 A.M.                      Introductions**

**11:00 A.M. - 12:00 A.M      PLSS History**  
James A. Coan, PLS

Course discusses Principal Meridians, Baselines, Initial Point, Parallel of Latitude Solar Method, Tangent Method, Secant Method, Sections, Townships, Subdivision by protraction and more.

**Luncheon Speaker          Erin Black**  
Director/Curator – Kittitas County Historical Museum

**1:00 P.M.-3:00 P.M.          PLSS History (Continued)**  
James A. Coan, PLS

**3:00 P.M.– 5:00 P.M.          Project Management**  
(The County Perspective)  
Carolyn Heniges, PE, PLS

**Wednesday, January 17, 2007**

**8:00 A.M. - 12:00 A.M.      Section Subdivisions &  
Local Corners**  
Kyle Hensley, PLS  
Aaron Graham, PLS

Section subdivision course presented by two Cadastral Surveyors with the Bureau of Land Management (BLM).

**Luncheon Speaker          Julie Morland, PLS**  
"Going Beyond the Technical to the Professional"

**1:00 P.M. - 5:00 P.M.          Restoration of Lost  
Corners**  
Frank Fischer, PLS

A detailed look at restoration of lost corners presented by a Land Survey Unit Supervisor with the Washington State Department of Natural Resources (DNR).

**Thursday, January 18, 2007**

**8:00 A.M. - 12:00 A.M.      Aquatic Land Boundaries  
in Washington.**  
Steve Ivy, PLS

This presentation will review navigability for title purposes, the GLO meander line as a boundary, riparian rights, the Public Trust Doctrine, the line of ordinary high water, tides and tidal datum, first class and second class shoreland sales in Washington, harbor areas, waterways, and streets, the line of navigability, shifting boundaries and more.

**Luncheon Speaker          Fennelle Miller**  
Archeologist / Anthropologist / Public speaker

**1:00 P.M. - 3:00 P.M.          Aquatic Land Boundaries  
in Washington (Continued)**  
Steve Ivy, PLS

**3:00 P.M. – 5:00 P.M.          Digital Leveling  
Adjustments**  
Martin Paquette, PLS

**Friday, January 19, 2007**

**8:00 A.M.-10:00 P.M.          Field Methods of Data  
Collection**  
Donald Day, PLS

Course will provide and share tips for acquiring field data that help insure higher accuracy in digital topo products.

**10:00 A.M.-12:00 P.M.      Crew Safety Roundtable**  
Donald Day, PLS

Course discusses crew safety emphasizing pre-planning and a situational awareness approach to job safety.

**12:00 A.M. - 1:00 P.M.      Lunch, Comments, Prizes**

**1:00 P.M. - 3:00 P.M.          WCCS ANNUAL MEETING**

**INSTRUCTORS**

**James A. Coan, Sr., PLS**

Jim Coan started surveying in 1968 in the state of Maryland and has surveyed on the East coast, Canada as well as the West coast. Jim is a licensed Professional Land Surveyor in the states of Oregon and Washington.

For twenty-three years Jim taught the Land Surveying Program as Renton Technical College. Additionally, during this time Jim served on the Department of Natural Resources Survey Advisory Board and the Architects and Engineers Legislative Council. Each year, Jim continues to teach workshops for both the South and North Puget Sound chapters of LSAW. Jim has been an instructor for LSAW state conferences, ACSM conferences and the WCCS Survey Camp.

Jim is an active member of the Land Surveyors Association of Washington, the National Society of Professional Surveyors, the Professional Land Surveyors of Oregon, and the American Congress on Surveying and Mapping. He was president of the South Puget Sound chapter of LSAW for two years. In 1990 his colleagues in LSAW chose Jim as the Washington State Associate Surveyor of the Year. Jim recently retired from Renton Technical College and now works for Triad Associates as a project surveyor.

**Carolyn Heniges, PE, PLS**

Carolyn has been a Capital Project Manager for Clark County for the past 6 years. Her work experience includes 15 years of transportation project leadership, design and construction administration for public agencies. She has managed projects that ranged from small maintenance repairs to co-managing a \$150M interchange and local road improvements project for WSDOT.

Carolyn has had over 100 hours of Project Management training. She is also the Bridge Program Manager for over 110 bridges that are owned by Clark County as well as the cities within the county. She is currently a registered Professional Engineer in Washington and Oregon and a Registered Professional Land Surveyor in Oregon.

**Kyle Hensley, PLS**

Kyle Hensley is a Lead Cadastral Surveyor for the Oregon State Office, Bureau of Land Management (BLM) in Portland, Oregon. He is a 1995 graduate of Oregon Institute of Technology with a B.S. in Surveying. He is a licensed as a Professional Land Surveyor in the state of Oregon.

Kyle began his BLM career in 1987, with a traveling survey crew in Gold Beach Oregon; cutting brush and setting traverse points. After several field seasons, he was admitted to the co-operative education program while attending Oregon Institute of Technology. Upon graduation from OIT, he worked as a land surveyor for the Oregon

State Office, performing surveys of varying complexities throughout Oregon and Washington, from Colville, WA to Medford, OR, and many places in between. In 2000, Kyle transferred into the Geographic Coordinate Data Base section in Portland, creating the Cadastral base layer for GIS systems. In 2005, he became a Team Lead Cadastral Surveyor in the Portland office, responsible for the oversight and direction of many federal authority surveys in Oregon and Washington.

Kyle presents courses, seminars and workshops across Oregon and Washington on PLSS issuers, with a focus on section subdivision and lost corners.

**Aaron Graham, PLS**

Aaron Graham is a Lead Cadastral Surveyor for the Oregon State Office, Bureau of Land Management, (BLM) in North Bend, Oregon. He is a 1995 graduate of Oregon Institute of Technology with a B.S. in Surveying, and is licensed as an Oregon Professional Land Surveyor.

Aaron began his BLM career with the Wyoming State Office in the co-operative education program while attending college. Upon graduation from OIT, he worked as a Land Surveyor for both the Medford and Coos Bay BLM District Offices, performing surveys of varying complexities including water boundaries, donation land claims, and mineral surveys. In 2000, he became the Lead Cadastral Surveyor for the Coos Bay District, responsible for the oversight and direction of the Cadastral Survey program for the Coos Bay District.

Aaron is an active participant in the Professional Land Surveyors of Oregon and is currently serving as the Southwest Chapter President.

**Frank Fischer, PLS**

Frank Fischer is the Land Survey Unit Supervisor and Cadastral GIS Manager at the Washington State Department of Natural Resources. After majoring in mathematics he received a bachelor’s degree in liberal arts from the University of Washington. He began surveying in the 1970’s on the Olympic Peninsula and opened his own land survey firm in Port Townsend shortly after becoming licensed in 1983. He moved to Colville in 1988 to serve as DNR Northeast Region surveyor. During 1990-91 he introduced the DNR to geodetic GPS surveying. He joined the Olympia DNR staff in 1995 as the Unit Supervisor for DKNY’s six regional surveyors where he became immersed in complex GLO issues and completed BLM’s Advanced Cadastral Survey course. He began teaching in 1998 with the LSAW Southwest and South Puget Sound Chapter refresher courses titled Restoration of Lost Corners and Section subdivisions.

**Steve Ivy, PLS**

Steve Ivey is currently employed with W & H Pacific, but for more than six years, he was an Aquatic Land Surveyor

for the Washington Department of Natural Resources and was the Department’s aquatic land ownership specialist. He provided support to the Department in resolving aquatic land ownership disputes, performed navigability assessments for rivers and lakes, and prepared supplemental maps for harbor areas in Washington. He has more than 28 years of experience in the land surveying profession with many years employed in the private sector at various locations in Wyoming, Montana, and Washington. He has an Associates Degree in civil Engineering – Surveying and Construction Option from southern Polytechnic University in Marietta, GA. Steve has been a licensed surveyor since 1989 and he is licensed in three states.

**Donald Day, PLS**

Donald Day is the Public Works Surveyor for Cowlitz County, Washington where he has worked to establish County rights-of-way, supervise road construction surveying and prepare surveys of County property boundaries since 1997.

Donald began work in the land surveying profession in 1973 and was owner of the firm Azimuth Boundary Specialists from 1987 through 1997. Also during that time, he served as a consultant to the Southwest Regional Legal Department of Chicago Title Insurance Company. He is licensed in the states of Washington, California and Texas.

Donald has taught continuing education classes in surveying at the junior college level, served as Education Committee Chairman for the CLSA Channel Islands Chapter and organized that chapter’s LS Exam Review seminar series. He is the past president of the Washington Council of County Surveyors and a member of the Land Surveyors Association of Washington.

**THE CAMP SITE**

The 2007 campsite will again be located at the **Ellensburg Inn**, 1700 Canyon Road, Ellensburg WA. The hotel is one block north of Interstate 90 (from Exit 109) on the east side of Canyon Road. There is no fee for parking at the hotel.

**ACCOMODATIONS**

**Rooms for Tuesday, Wednesday and Thursday nights are included with the purchase of a full Camp registration.** If you purchase a full registration and wish to have a room reserved for Monday night before the Camp, please note such on the registration form and add the Monday single day room rate to the full registration price (i.e. total of \$576.00)

**Guests are welcome at Survey Camp.** *The full registration is good for one or two room occupants.*

**One-day registrations are welcome.** The registration fee for each day is listed on the registration form. If you wish to add a room, the room rate for each day must be added to the single day registration fee (*rooms are NOT included in the single day registration*).

**MEALS**

All meals are included with a full registration purchase and include Tuesday continental breakfast, lunch and dinner, all three meals on Wednesday and Thursday, and breakfast and lunch on Friday. No credit for unused meals will be given. *Single day registrations include lunch only.* If you have special dietary needs, please note such needs with your registration form or call the information number below.

**CONTACTS**

**Registration forms:**

**Fax: Form & P.O c/o Gene Zerby  
(360) 249-2153**

**Mail: Gene Zerby, PLS WCCS Sec. Treas.  
County Surveyor  
100 W Broadway, Suite 31  
Montesano, WA 98563  
Bus: (360) 249-4222 x 404**

**Questions and Information:**

**Call: Bill Sleeth, PLS (253) 798-3216**

**WCCS Federal Tax I.D. No. 91-1558942**

**Registration Deadline:  
January 10, 2007**

**CAMP REGISTRATION FORM**

**Please complete one form for each attendee:**  
(Registrations can be grouped together with a single payment by Purchase Order or Check)

NAME: \_\_\_\_\_

COUNTY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

Full registration includes accommodations for one or two persons Tuesday, Wednesday and Thursday nights.

Check all that apply:		Amount
Full Registration	<b>(\$510.00)</b>	_____
Tuesday 16 <sup>th</sup> only	(\$150.00)	_____
Wednesday 17 <sup>th</sup> only	(\$150.00)	_____
Thursday 18 <sup>th</sup> only	(\$150.00)	_____
Friday 19 <sup>th</sup> only	(\$ 75.00)	_____

**Daily Room rates accommodate one or two persons.**

Room Monday 15 <sup>th</sup>	(\$66.00)	_____
Room Tuesday 16 <sup>th</sup>	(\$66.00)	_____
Room Wednesday 17 <sup>th</sup>	(\$66.00)	_____
Room Thursday 18 <sup>th</sup>	(\$66.00)	_____

**TOTAL ENCLOSED** \_\_\_\_\_

**P. O. Number**\_\_\_\_\_ **Check#**\_\_\_\_\_

**Fax registration forms and purchase order to Gene Zerby at number listed at left or mail registration package to the address listed at left.**